

Lockheed Aircraft Corp. <del>P.O. Box 105</del> <del>San Valley, California</del>		Engineering Study <input checked="" type="checkbox"/> Change Proposal <input checked="" type="checkbox"/>	
No. LAC - 2 Rev. #1	Date 3-5-59	Affected Activities: <input checked="" type="checkbox"/> WSPO <input checked="" type="checkbox"/> Project	
Name of Major Component Airplane	Part or Lowest Subassembly Fuel System	Part No. & Model or Type	
Title of Proposal: Fuel System Vent			
<b>Nature of Proposal:</b> The fuel vent system will be modified per S.B. 369 & S.B. 372. Details of this modification can be seen in the attached preliminary runs of the two service bulletins involved.			
<b>Reason for Proposal:</b> Engineering studies and flight tests reveal fuel tank pressure on the order of 4 psi and higher which causes fuel to be pumped into the sump tank thru the vent lines. Also, these high pressures simultaneously combined with high load factors could possibly lead to structural damage. The vent system described in S.B. 369 & S.B. 372 will keep these pressures to 2 psi when using LFLA or MIL Spec. 2552 4A fuels.			
<div style="text-align: right;"> <i>See Hdzs approval no 59-4</i>            (Cont. on attached page)         </div>			
Estimated Cost and Time Involved		See Cost Recap on Page 2	
Additional Funding Required None		25X1	
Estimated Cost for Kits or Parts		WSPO \$465.00 ea. - Project \$535.00 ea.	
Additional Funding Required None			
<b>Items Affected by Proposal:</b> <input checked="" type="checkbox"/> Safety <input checked="" type="checkbox"/> Mission Effectiveness <input type="checkbox"/> Performance <input checked="" type="checkbox"/> Operating Procedure <input type="checkbox"/> Inter-changeability <input checked="" type="checkbox"/> Weight or Weight & Bal. <input type="checkbox"/> Tools & Support Equipment <input checked="" type="checkbox"/> Maintenance Procedure <input type="checkbox"/> Service Life <input checked="" type="checkbox"/> Pilots Handbook <input checked="" type="checkbox"/> E & M Manual <input type="checkbox"/> O'Haul Manual <input type="checkbox"/> Parts Catalog			
Est. Man/Hrs. Req'd. to Accomplish Change in Field			
Source Of Parts For Kit LAC		Availability March 23, 1959	
Spares Affected Yes		Disposition	
Initiated By: LAC		Approved WSPO Project	

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## Reason for Proposal (cont.)

This will relieve tanks of excess pressure; keep the sump tank overflow light from coming on; eliminate the possibility of ever pumping fuel overboard thru the vent system; keep tanks from developing negative pressure on letdown thus keep low level lite out.

## Recap of Fuel Vent Development Costs

Design  
Shop  
Flight Test  
  
Total



25X1

These costs have been incurred and charged to the existing SP-1918 Contracts, 50% to each customer.

## Recap of Kit Costs

WSPO Type	\$465.00 ea.
Project Type W/slipper tank prov.	\$535.00 ea.